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(54) Title: IMPROVEMENTS IN OR RELATING TO HYDROFORMYLATION

(57) Abstract: The gas cycle in a high pressure hydroformylation reaction using a series of at least two reactors is controlled to optimise yield, conversion and selectivity and to control reaction temperature. The control is achieved through balancing fresh gases and recycle gases in each of the reactors and as an optional feature the use of hydrogen off gases from the downstream hydrogenation used in the conversion of the hydroformylation reaction product to product alcohols.